

TOYO COMPANY PROFILE



Humanoid
Robotics

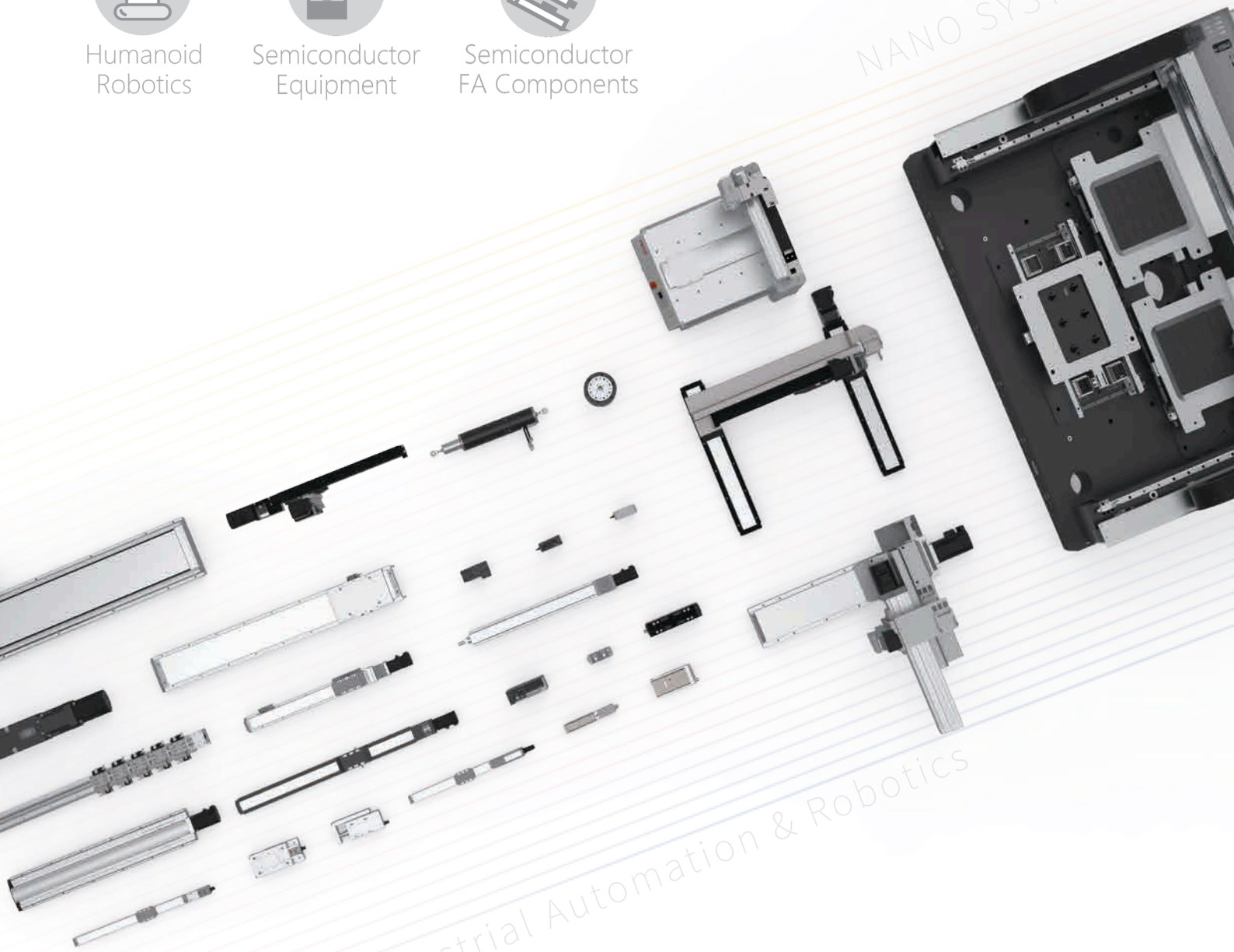


Semiconductor
Equipment



Semiconductor
FA Components

NANO SYSTEM



Industrial Automation & Robotics





From the early days of basic automation to today's Industry 4.0 integration, TOYO has grown with the automation industry. We specialize in compact automation solutions , Multi-axis high-precision motion systems, and small scale robotic systems.

Starting from simple motorless linear actuators, we have evolved to fully integrated motor and control systems — delivering complete, reliable solutions manufactured with craftsmanship. As market demands rapidly evolve, we remain committed to: **Identifying needs. Driving innovation. Continuous improvement.**

Our product development focuses on helping customers reduce cycle time and minimize downtime across diverse manufacturing processes. Through energy-saving designs, simplified wiring, and integrated motor-controller systems, we enhance the added value of automation equipment.

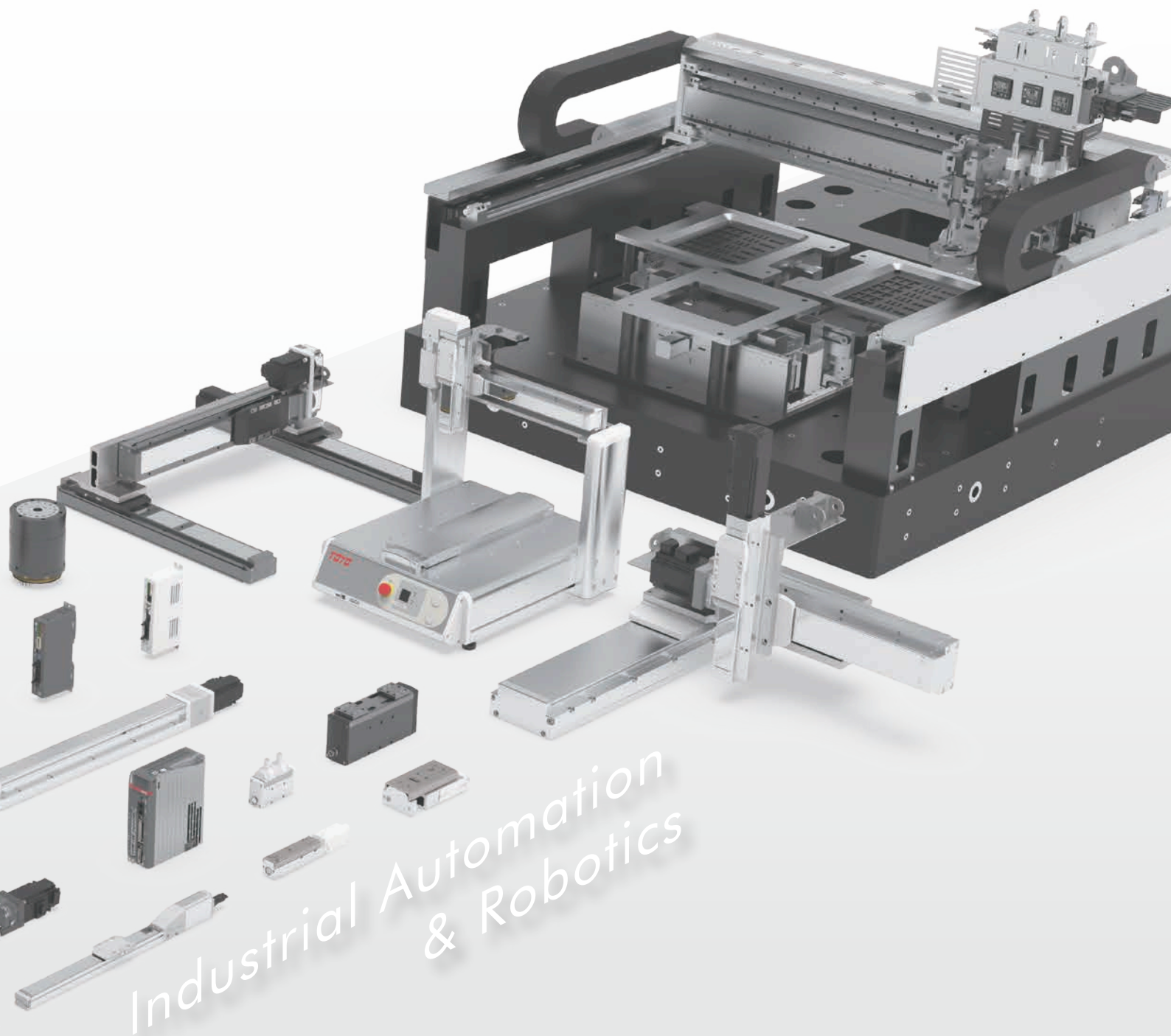
Beyond traditional automation technologies, we have advanced into nano-level precision motion systems. TOYO NANO System solutions provide ultra-high precision and stability for semiconductor, optoelectronics, and high-end manufacturing industries — pushing the boundaries of nano-scale motion control.

Our philosophy is simple: **Product Evolution. Stable Quality. Pursuit of Excellence.**

We strive not only to meet expectations — but to grow together as a trusted long-term automation partner.



Continuous Evolution of Automation



Industrial Automation
& Robotics

Basic & Line up

Basic Information

Company Name	TOYO AUTOMATION CO., LTD
Chairman	Johnny (Tsung-Te) Lin
Number of Employees	500+
Established	2000
Address	No. 55, Xinji 3rd Rd., Annan Dist., Tainan City,
Tel	Taiwan +886-6-2021347
Fax	+886-6-2025974
Website	www.toyorobot.com (HQ)
	www.toyorobotics.co (India)



6 Major Products of Linear Motion

TOYO offers six product lines and over 1,000 specifications, spanning precision transmission, linear motion, multi-axis systems, humanoid robot components, and nanometer-level positioning. Our precise, efficient solutions meet diverse automation needs worldwide.

Electric Actuators



Servo System



Linear Motor Actuators



Multi-Axis Systems



Humanoid Robotics



Semiconductor System Integration



- ⊕ High price-performance ratio
- ⊕ Stable quality

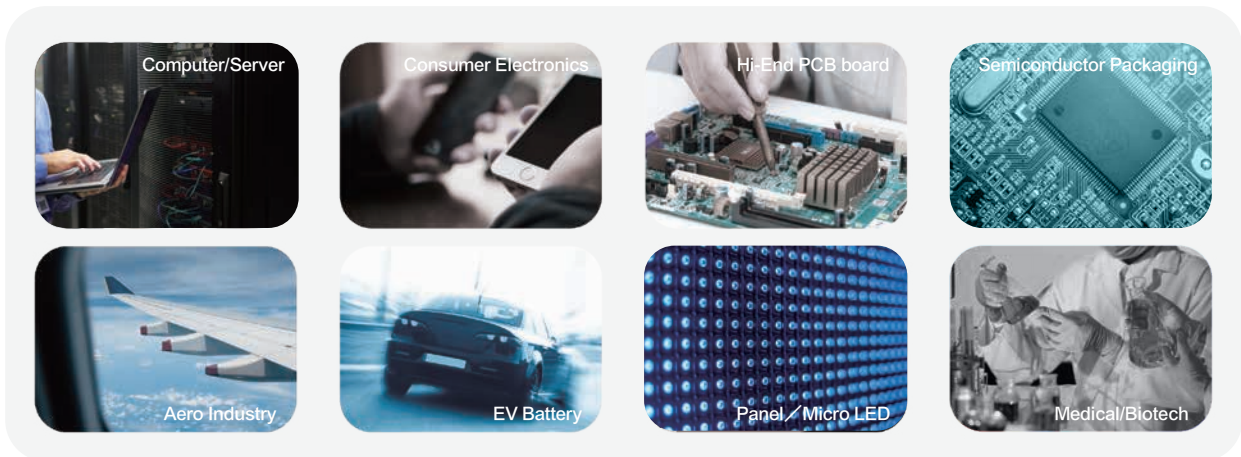
- ⊕ Flexible customization
- ⊕ Versatile product line

- ⊕ Short delivery time

Applications

Industry Applications

TOYO's precision motion and automation technologies serve industries ranging from semiconductors and EVs to electronics, displays, medical technology, aerospace, and IT. We deliver high-precision, efficient automation solutions for evolving manufacturing needs.



Manufacturing Process Applications



Semiconductor Applications

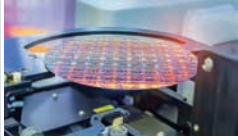
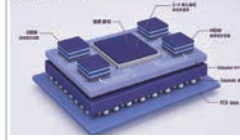
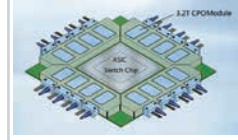
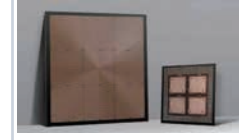
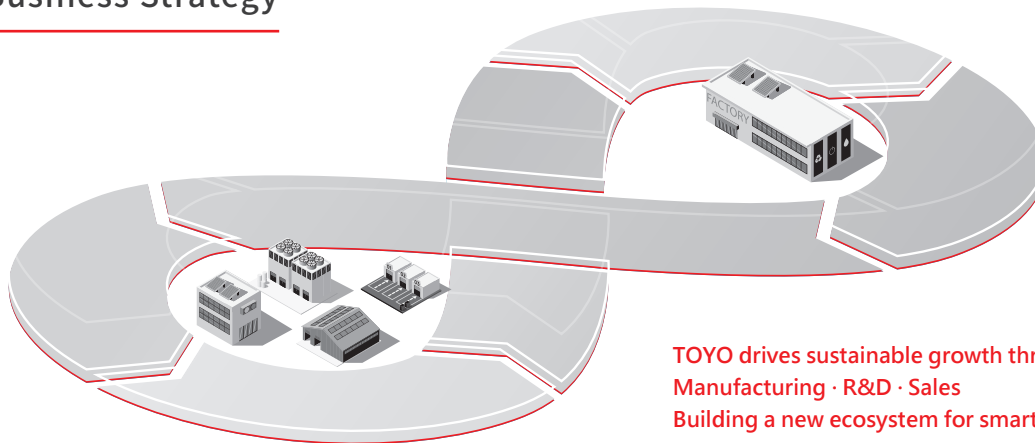
Front-End Wafer Fabrication (Foundry)	Wafer Electrical Testing & Probe Card Equipment	Advanced Packaging & CoWoS	Co-Packaged Optics (CPO)	Fan-Out Panel-Level Packaging (FOPLP)
 - Precision Metrology Equipment - Thin Film Metrology Equipment - Wafer Handling Module	 - Probe Card Test Station - Probe Tip Reshaping Equipment - AI Auto-Calibration System - Precision Positioning Stage	 - Die Bonding Equipment - TSV / Microbump AOI Equipment - Warpage Measurement Equipment - High-Precision Alignment Equipment	 - Fiber Array Coupling Equipment - Optical Alignment System - Nanometer Positioning Stage - Thermal Compensation Alignment System	 - Large Panel Handling Equipment - Panel Warpage Measurement Equipment - AI Process Compensation System - Laser Cutting / Drilling Equipment
- Enhance Process Stability - Improve Yield	- Enhance Test Efficiency & Yield - Reduce Testing Cost	- Enhance Packaging Precision - Ensure High Bandwidth & High Reliability	- Enhance Optical Coupling Precision - Meet High-Speed Transmission Demands	- Enhance Panel Yield & Capacity - Reduce Packaging Cost

Image source: Publicly available online materials, for illustrative purposes only.

Business Strategy



**TOYO drives sustainable growth through three core pillars-
Manufacturing · R&D · Sales
Building a new ecosystem for smart automation advancement.**

R&D Capabilities

-  Motor Control
-  Software Development
-  Precision Machinery Engineering
-  High Mechatronic Integration

Manufacturing Capabilities

-  In-house production of key core components
-  60% customized solutions
-  ISO 9001 Quality Certification
-  Comprehensive product portfolio

Sales & Marketing Capabilities

-  Global production and sales network
-  Strategic partnerships (YAMAHA / CKD)
-  Comprehensive after-sales service
-  High market share in linear actuators

Service System



Free sample actuators for demo

Standard sample tester available for lending to the customer at no cost! Please contact your local sales representative or distributor.

Free



Exhibition

Visit us at any one of our many global trade-shows to learn more about our products. Please contact us for more information.



24 hours online services

Year round 24hours on call service that provides product solutions anytime you call for the region of China and Taiwan.

24 India : +91-89569-56871

24 Taiwan : 0800-800-893

24 China : 400-875-0009

Free



Exhibition car

For the customer in Taiwan to experience and understand our products, we have established the Toyo Exhibition car project. Please contact us for more information.

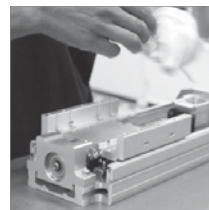
Free



Sharing of technical tips

We host product seminars/technical workshops to share our most advanced technologies with our customers.

Free



Repair

We provide the inspection and repair service. Even if the warranty period has expired, we will provide repair services at a reasonable cost.



Training Center

In the training center, you can see the actual product and demo machines. Also, we provide training on various technologies imported into the robot, technical consultation, and related courses.



Worldwide Sales Network

A global network of sales and technical support available to help where you needed. For further details, please contact the relevant regional distributors.

Quality System

Quality Assurance Certification



ISO 9001 ISO 14001 ISO 45001

Passed ISO9001, ISO14001 and OHSAS18001 international certification.

Patented Technologies



M398055 # M429543 # M440838 # M523013 # M523014 # M523015



M523016 # M523017 # M534739 # M523019 # M523018 # M530627



Patent applications certified by the Intellectual Property Office of Ministry of Economic Affairs.

Awards



Got 9th Taiwan Business Startup Award



Got 19th Taiwan Business Rising Star Award



CGTH/CGTY Series
Got 2018 Taiwan Excellence Awards



LGF / CHY Series
Got 2021 Taiwan Excellence Awards



LGW Series
Got 2021 Taiwan Excellence Awards



CPSG/LM4 Sreies
Got 2023 Taiwan Excellence Awards



LBT/LXY/SRT Sreies
Got 2024 Taiwan Excellence Awards



CW/CAB Sreies
Got 2025 Taiwan Excellence Awards

THE TOYO PRODUCT PORTFOLIO



10 days
delivery time for
standard products

10 days delivery time for standard products. Please contact your local sales representative for products with special requirements.

24 India : +91-89569-56871
24 Taiwan : 0800-800-893
24 China : 400-875-0009

Single-axis Linear Actuator (Motor not included, but the motor mounting kit is designed to match your motor.)



Servo Cylinder The best option for pneumatic cylinder replacement

Closed-loop stepping motor



Integrated shaft-mounted servo

Economic electric cylinder

Built-in controller

Single Axis Servo Solutions



Linear Motor Actuator High speed, high acceleration/deceleration, dual carriage



Rotary series Suitable for visual alignment



Cartesian Coordinates Robot



Robot specific controllers (1 ~ 4 axis) High performance control system

Servo Motor Controller



4 axis Controller



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Air Bearing Axis

Class
1

Air-bearing
LBT210



Air-bearing
LBT275



XY Alignment Stage

Class
100

Cross Roller Guide
LXY150



Cross Roller Guide
LXY300



Integrated Rail
LXY100-G



Horizontal Z-Axis

Class
100

Standard -
Steel Linear Guide
ZH20H



Low Profile -
Aluminum Cross Roller
ZH20



Cast iron Axis

Class
100

Ironcore Linear
Motor Drive
LTS22



Ironless Linear
Motor Drive
LTSU22



Ball Screw Drive
ETS22



Nano-Precision Air Bearing Stages The optimal solution for 6 degrees of freedom (6-DOF).

High Acceleration/
Deceleration Stage



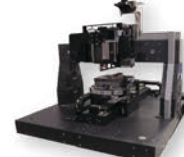
Air Bearing Gantry Dual-
Drive Stage



Air Bearing XYZ Stage

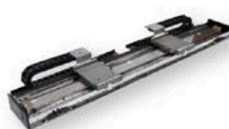


Air Bearing XYZθ Stage



Linear Motor Sub-systems Meeting high performance, precision, and stability demands.

Single-Axis Stage
(Dual Forcer)



Cantilever XYZ Stage



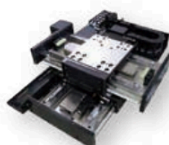
Gantry Dual-Drive Stage



Dual XYZ Stage



XY Orthogonal Stage



Gantry Dual-Drive XYθ Stage



Bridge Gantry XYZ Stage



Gantry Dual-Drive XYZ Stage



Humanoid Robot Key Components Precision Drive Technology Bringing Robots into the Real World

Muscle Actuators
H25/H38



Rotary Joints
DR80/90/100



01

Non-Motorized Actuators

Single-axis Linear Actuators

Without motor



Ball Screw Drive



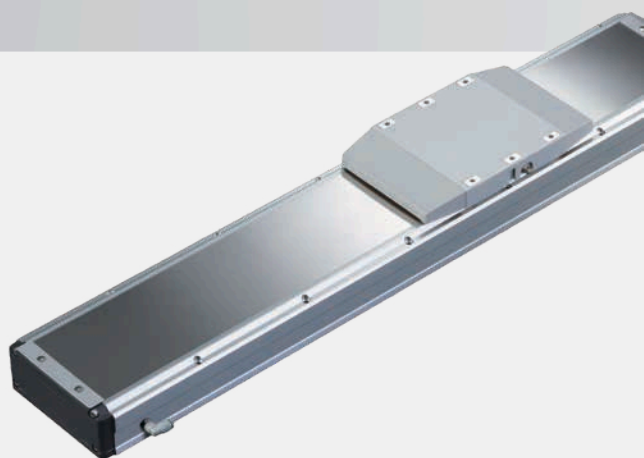
Belt Drive



Clean Room



Integrated Rail



Built-in Guideway Ball Screw Actuator

TSG Series	GLTH Series	GTH Series	GTY Series	GCH Series	GCY Series
					
±0.01mm	±0.005mm	±0.005mm	±0.01mm	±0.005mm	±0.01mm
12.8 kg	110 kg	110 kg	110 kg	110 kg	110 kg
30/50/75/100/125/150 mm	50~2500 mm	50~2200 mm	50~800 mm	50~1250 mm	50~800 mm

Repeatability

Max. Payload

Range

Ball Screw Standard Actuator

ETH2 Series	ETH Series	Y Series	YH95/Y95	ECH2 Series	ECH Series
					
±0.005mm	±0.005mm	±0.01mm	±0.01mm	±0.005mm	±0.005mm
400 kg	150 kg	110 kg	3000 kg	150 kg	150 kg
50~2100 mm	50~2400 mm	50~500 mm	50~800 mm	50~1500 mm	50~1500 mm

Repeatability

Max. Payload

Stroke Range

Belt Drive Standard Actuator

GLTB Series	GTB Series	ETB Series	M Series	ECB Series
				
±0.06mm	±0.04mm	±0.04mm	±0.1mm	±0.04mm
8 kg	40 kg	85 kg	200 kg	85 kg
50~3000 mm	50~3000 mm	50~3500 mm	50~5000 mm	50~4050 mm

Repeatability

Max. Payload

Stroke Range

Multi-axis Linear Actuators

Without motor



Ball Screw
Drive



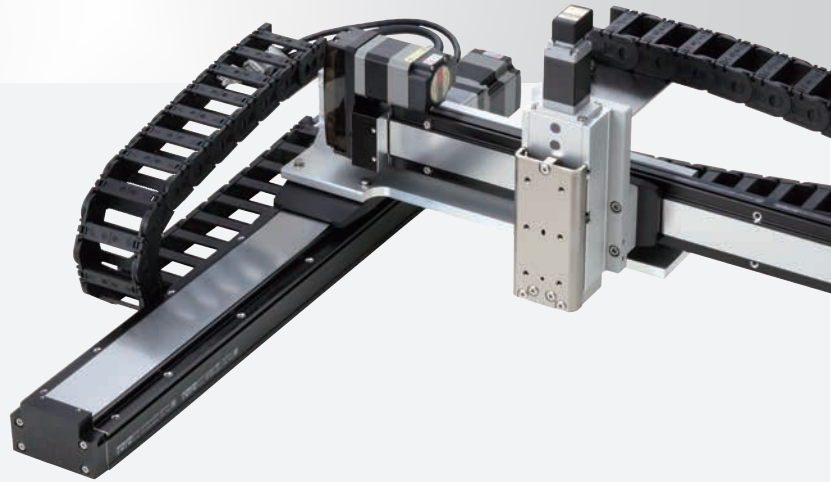
Belt Drive



Clean Room



Integrated
Rail



Built-in Guideway
Ball Screw Cartesian Robot

XYGT Series



G

X · Y · Z Axis $\pm 0.005\text{mm}$

10 kg

1250×550×350 mm

XYGL Series



G

X · Y · Z Axis $\pm 0.005\text{mm}$

12 kg

1250×300×150 mm

Repeatability

Max. Payload

Stroke Range

□□-X Series



$\pm 0.04\text{mm}$

Repeatability

100 kg

Max. Payload

~1600 mm

Stroke Range

Double-Stroke Slidie

Ball Screw Cartesian Robot

XYTH Series



X · Y · Z Axis $\pm 0.005\text{ mm}$

22 kg

1500×1050×550 mm

XYCH Series



X · Y · Z Axis $\pm 0.005\text{ mm}$

22 kg

1500×1050×550 mm

Repeatability

Max. Payload

Stroke Range

Combination



Arm Type
A-Type



Gantry Type
G-Type



Polar coordinate
P-Type



XY Type
F-Type

Belt Type Cartesian Robot

XYTB Series



X · Y · Z Axis $\pm 0.04\text{ mm}$

22 kg

3500×750×550 mm

XYCB Series



X · Y · Z Axis $\pm 0.04\text{ mm}$

22 kg

3500×750×550 mm

Repeatability

Max. Payload

Stroke Range

Combination



Arm Type
A-Type



Gantry Type
G-Type



Polar coordinate
P-Type



XY Type
F-Type

0 2 Servo System

Servo System

With motor & controller



Ball Screw Drive



Belt Drive



Closed-Loop Stepping Motor



Clean Room



Integrated Rail



Closed-Loop Stepping Motor Control



Position Control 127 Points



Pulse Communication Input Control Voltage LD/OC RS485 DC24V



新推出
EtherCAT



TC100 Controller



Built-in controller



TC100 Controller	Built-in Guideway Cylinder	CGTH Series	CGTY Series	CGCH Series	CSG Series	Repeatability Max. Payload Stroke Range
						
		±0.005mm	±0.01mm	±0.005mm	±0.01 mm	
		30 kg	30 kg	30 kg	12.8 kg	
		50~1250 mm	50~800 mm	50~1250 mm	30/50/75/100/125/150 mm	

TC100 Controller	Electric Gripper	CHZ2 Series	CHS2B Series	CHS2C Series	Built-in controller	Electric Gripper	CHY2B Series	Repeatability Max. Gripping Force Max. Open-Close Stroke
								
		±0.02mm	±0.01mm	±0.01mm			±0.05mm	
		278 N	509 N	509 N			90/30 N	
		22 mm	68 mm	68 mm			80/150 mm	

Built-in controller	Built-in Cylinder	CPSG Series	CPGLTH Series	CPGLTB Series	CPY Series	Repeatability Max. Payload Stroke Range
						
		±0.01mm	±0.01mm	±0.06mm	±0.01mm	
		12 kg	30 kg	5 kg	50 kg	
		30/50/75/100/125/150 mm	50~650 mm	50~1500 mm	50~700 mm	

Servo System

With motor & controller



Ball Screw
Drive



Servo Motor



Clean Room



Integrated
Rail



Servo Motor



Position
Control
127 Points



Pulse
Control
LD/OC



Communication
Control
RS485



Input
Voltage
separated to
DC24V reduce noise



LD/OC

新推出
EtherCAT



XC100 Controller



SC100 Controller

 XC100 Controller	Mini Cylinder	DGTH Series	DGTY Series	DMG Series	DMH Series	Repeatability Max. Payload Stroke Range
						
		±0.005mm	±0.01mm	±0.01 mm	±0.01 mm	
		30 kg	30 kg	15 kg	15 kg	
		50~800 mm	50~600 mm	50/75/100mm	50/75mm	

 SC100 Controller	High rigidity manipulator	SGTH Series	STH Series	Repeatability Max. Payload Stroke Range
				
		±0.005 mm	±0.005 mm	
		110 kg	150 kg	
		50-2200 mm	50-2200 mm	

 AZ/PPK Controller	Built-in Guideway Cylinder	CGLTH Series	CGLTB Series	CSG Series	Repeatability Max. Payload Stroke Range
					
		±0.005mm	±0.06mm	±0.005mm	
		110 kg	12 kg	20 kg	
		50~2500 mm	50~3000 mm	30/50/75/100/125 mm	

03

Linear Motor Actuators

Linear Motor Actuators

With motor & controller



Linear Motor
Drive



Clean Room



Integrated
Rail



LC100 Controller

Built-in Guideway Linear motor Robot

LGTW Series



±0.002mm

20~70 kg

200~3000 mm

760 N

LGNW Series



±0.002mm

20~70 kg

200~3000 mm

760 N

LGCW Series



±0.002mm

20~70 kg

200~3000 mm

760 N

LGF Series



±0.002mm

15 kg

160~2500 mm

266 N

Repeatability

Max. Payload

Stroke Range

Max. Thrust

Flat Type Linear Motor Robot

LTF3 Series



±0.002mm

120 kg

200 ~ 4640 mm

410 N

LNF3 Series



±0.002mm

120 kg

202~3053 mm

410 N

LCF3 Series



±0.002mm

120 kg

202~3053 mm

410 N

Iron Core Linear Motor Module

LTF3-250 Series



±0.002mm

500 kg

300~5000 mm

1748 N

Repeatability

Max. Payload

Stroke Range

Max. Thrust

Linear Motor Actuators

With motor & controller



Linear Motor Drive



XC200 Controller

Multi-drive Linear Shaft Motor Robot

LM6 Series



±0.002mm

Repeatability

6 kg

Max. Payload

250~1270 mm

Stroke Range

59.5 N

Max. Thrust

Electric Linear Motor Slides

LSC Series



±0.002mm

Repeatability

6 kg (horizontal)

Max. Payload

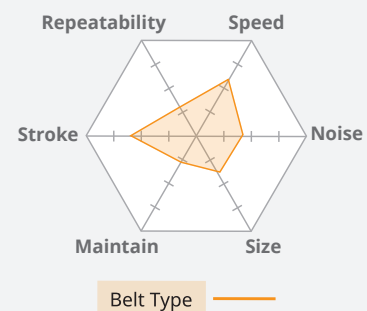
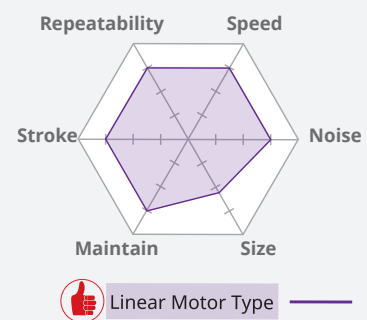
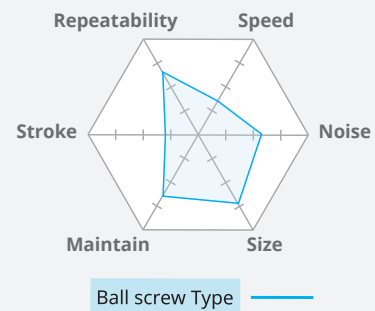
50/80/110/140 mm

Stroke Range

35 N

Max. Thrust

Long range, high precision, high speed and low noise can be achieved simultaneously.



04

Multi-Axis Systems

Desktop Robots



ballscrew drive



Max. stroke
500-500mm



Max. speed
1000mm/s



Z axis
payload
8Kg



Built-in
controller
TSC400



repeatability
 ± 0.005
mm



100 sets
of programs

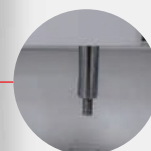


10000
points

Optional double X axis



R-axis style optional
(JTHS series only)



Economical desktop robot

JTHC



XYZ : Repeatability ± 0.01 mm

X:12 Z:6 kg

Max. Payload

X.Y:200/300/400/500 mm
Z:100 mm

Stroke Range

Standard desktop robot

JTHX



XYZ : Repeatability
 ± 0.01 mm

X:10 Z:5 kg

X.Y:150/250/350/450 mm
Z:100 mm

JTHS



XYZ : Repeatability
 ± 0.005 mm

X:15 Z:8 kg

X.Y:300/400/500 mm
Z:100 mm

Max. Payload

Stroke Range

Applications

Soldering



Dispensing



Screw fastening



Visual inspection



Cartesian Robots



ballscrew drive



Clean Room



Integrated Rail


Max. stroke
1250-500mm

Max. speed
1000mm/s

Z axis
payload
12Kg

Built-in
controller
TSC400

repeatability
 ± 0.005

100 sets
of programs

10000
points


Ball screw drive Cartesian desktop robot

XYCGT



XYSGT


XYZ: Repeatability ± 0.005 mm

Z:5.5 kg

Z:12 kg

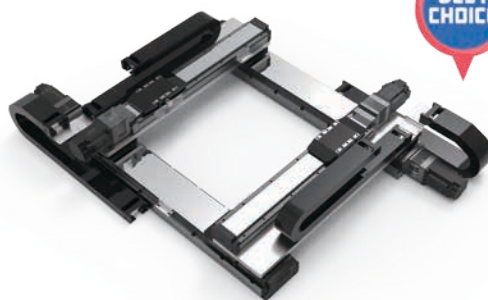
Max. Payload

1100×300×100 mm

1250×450×100 mm

Stroke Range

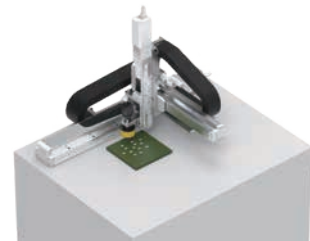
Custom Multi-Axis Motion Solutions



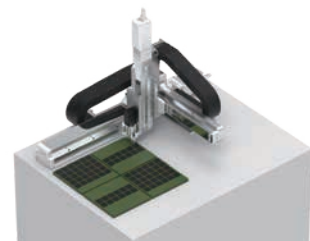
TOYO specializes in delivering custom multi-axis motion solutions designed to meet the exact kinematic and structural demands of general factory automation. By combining high-precision linear actuators, electric cylinders, and robust mechanical structures, we engineer scalable Cartesian and gantry systems tailored to your unique throughput, payload, and spatial requirements. From concept to assembly, our engineering team collaborates closely with you to integrate reliable motion control that maximizes productivity and minimizes integration time on the factory floor.

Applications

CCD Machine Vision Inspection



Pick-and-place for Small-sized Workpieces



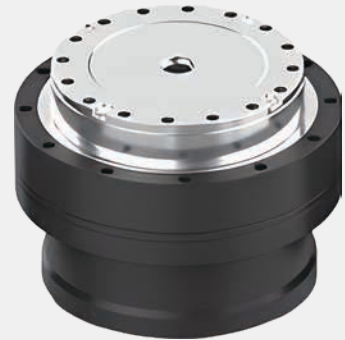
Dispensing for Small-sized Workpieces



0 5 Key Components Of Humanoid Robots

Humanoid Robots Rotary Joints

Various strain wave gear configurations with an integrated rotary design. Suitable for adjusting arms, elbows, shoulders, torsos, and waists.



Shoulders

Model: DR100-10
Rated Torque: 17.5 N.m
Max Torque: 67.9 N.m
Rate RPM: 250 rpm
Max RPM: 300 rpm



Elbows

Model: DR90-10
Rated Torque: 6.3 N.m
Max Torque: 18.9 N.m
Rate RPM: 380 rpm
Max RPM: 500 rpm



Waists

Model: DR90-50
Rated Torque: 21 N.m
Max Torque: 44 N.m
Rate RPM: 74.5 rpm
Max RPM: 98 rpm



Hips

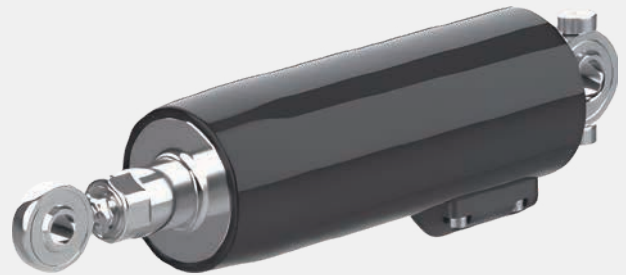
Model: DR100-50
Rated Torque: 33 N.m
Max Torque: 73 N.m
Rate RPM: 49 rpm
Max RPM: 58.8 rpm



Humanoid Robot Muscles

Product Specs: Thrust range 150-8000N, speed range 80-300mm/s.

Applications: Suitable for stealth puppet equipment and various body parts, including human arms, elbows, knees, and ankles.



Elbows

Model: H25-L2K
Max Thrust: 2000N
Max Speed: 100mm/s



Wrists

Model: H25-L4
Max Thrust: 1000N
Max Speed: 150mm/s



Ankles

Model: H38-L2K
Max Thrust: 4000N
Max Speed: 100mm/s



Knees

Model: H38-L2K
Max Thrust: 4000N
Max Speed: 100mm/s

Linear Rotary Actuator - VLR Series



VLR16

VLR16-S15



Effective Stroke : 15mm

Maximum Thrust : 13.2N

Maximum Torque : 48N

VLR16-S25



Effective stroke : 25mm

Maximum Thrust : 13.2N

Maximum Torque : 48N

VLR20

VLR20-S15



Effective Stroke : 15mm

Maximum Thrust : 13.2N

Maximum Torque : 48N

VLR20-S25



Effective stroke : 25mm

Maximum Thrust : 13.2N

Maximum Torque : 48N

VLR20-S45



Effective Stroke : 45mm

Maximum Thrust : 28N

Maximum Torque : 48N

VLR25

VLR25-S30



Effective Stroke : 30mm

Maximum Thrust : 36N

Maximum Torque : 76N

VLR25-S45



Effective stroke : 45mm

Maximum Thrust : 36N

Maximum Torque : 135N

VLR25-S65

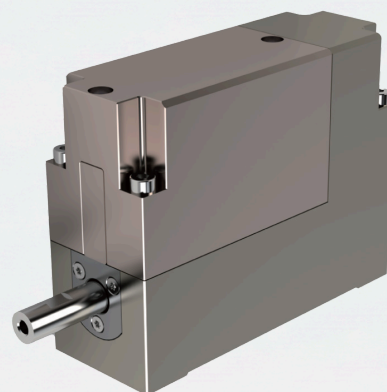


Effective Stroke : 65mm

Maximum Thrust : 36N

Maximum Torque : 135N

Linear Rotary Actuator - VL Series



VL20

VL20-S15



Effective Stroke : 15mm

Maximum Thrust : 9.5N

Continuous Thrust : 4.2N

VL20-S25



Effective stroke : 25mm

Maximum Thrust : 13.2N

Continuous Thrust : 5.8N

VL20-S45



Effective Stroke : 45mm

Maximum Thrust : 28N

Continuous Thrust : 11.2N

VL25

VL25-S10



Effective Stroke : 10mm

Maximum Thrust : 12.6N

Continuous Thrust : 5.4N

VL25-S25



Effective stroke : 25mm

Maximum Thrust : 18.5N

Continuous Thrust : 8.2N

VL32

VL32-S10



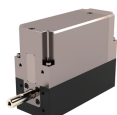
Effective Stroke : 10mm

Maximum Thrust : 30.5N

Continuous Thrust : 13N

VL50

VL50-S10

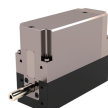


Effective Stroke : 10mm

Maximum Thrust : 115N

Continuous Thrust : 46N

VL50-S25

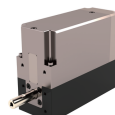


Effective stroke : 25mm

Maximum Thrust : 48N

Continuous Thrust : 19.2N

VLR25-S65



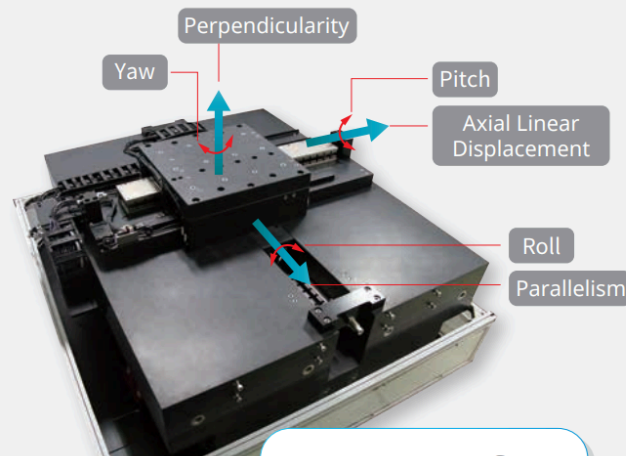
Effective Stroke : 50mm

Maximum Thrust : 40.5N

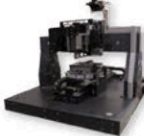
Continuous Thrust : 15.8N

07 Nano System Positioning Solutions

Air Bearing Linear Systems

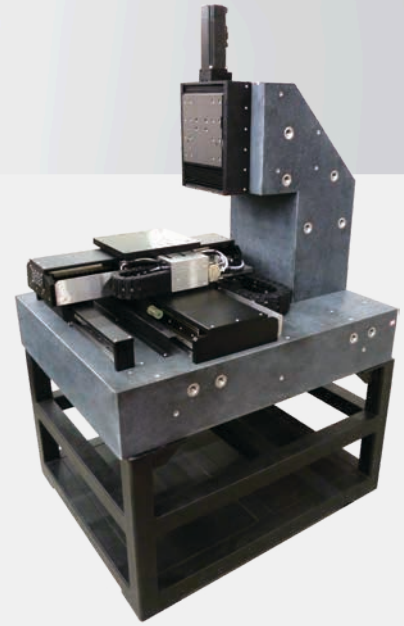


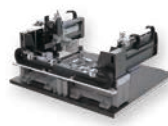
Large range of motion, high precision **6**

Air Bearing Stage	Single Axis	Dual-axis Direct-drive	
			
	400mm	1200mm	Stroke
	<1μm	<1μm	Repeatability
	<2μm	<3μm	Flatness /straightness
Air Bearing Stage	XYZ Multi-axis Direct-drive	XYZR Multi-axis Direct-drive	XYZθ Multi-axis Direct-drive
			
	200*200*100mm	500*500*100mm	500*500*100mm
	<1μm	<1μm	<1μm
	<2μm	<2μm	<2μm
			Stroke
			Repeatability
			Flatness /straightness

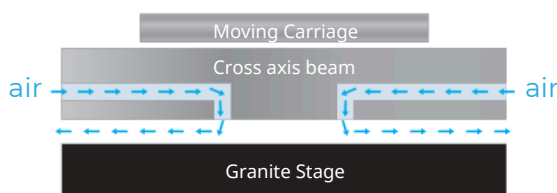
Brand	Air Bearing Type	Design	Module Components	Assembly & Maintenance	Load Capacity	Stiffness
Other Brand	(Air Pad)	Complex	More and complex	Hard and time-consuming	low	Average
TOYO	Built-in Air bearing (TOYO)	Simple	Fewer and simple	Quick and easy	High	High 

Nano-level Linear Motor Systems



Linear Motor Stage	Dual motor linear stage	X-Y-Z linear stage	X-Y linear system	Gantry X-Y-R system	
					
	500mm	300*300*100mm	300*300mm	450*450mm	Stroke
	<1μm	<1μm	<1μm	<1μm	Repeatability
	<8μm	<3μm	<3μm	<5μm	Flatness /straightness
Linear Motor Stage	Gantry system	Gantry X-Y system	Gantry X-Y-Z system	Gantry X-Y-Z system	
					
	1600*1200mm	600*600*100mm	1000*700*40mm	500*500*100mm	Stroke
	± 1μm	<1μm	± 1μm	<1μm	Repeatability
	± 10μm	<8μm	<10μm	<5μm	Flatness /straightness

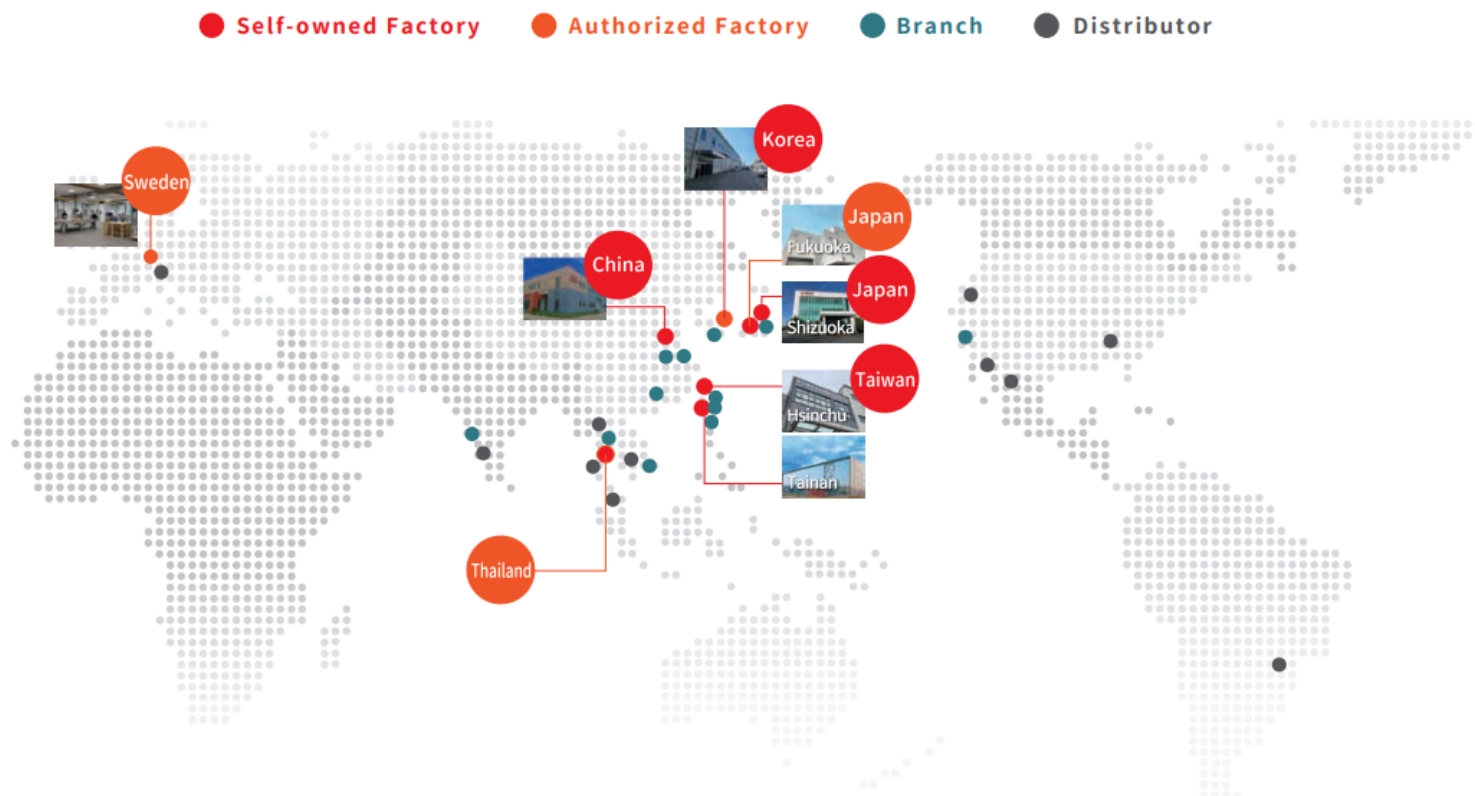
Advantages of Air Bearing Stage



Structure of Air Bearing

- Nozzles are built-in to the active faces of the high-precision components
- High stiffness and High load capacity
- Streamlined design featuring fewer components
- Achieves high mechanical precision through specialized geometric design
- Optimized multi-axis precision
- Long-term reliability and stability

Global Service Locations



Taiwan

[HQ]
TOYO Automation Co., Ltd.

[Branch]
TOYO Nano System Co., Ltd.

[Branch]
E-CON Robotics Co., Ltd.

China

[Branch]
TOYO Robot (Suzhou) Co., Ltd.

[Branch]
TOYO Automation Technology (Shenzhen) Co., Ltd.

[Branch]
E-CON Automation Equipment (Kunshan) Co., Ltd.

USA

[Branch]
TOYO ROBOTICS AMERICAS
www.toyorobotics.com

India

[Branch]
TOYO ROBOTICS PRIVATE LIMITED INDIA

Japan

[Branch]
TOYO JAPAN Co., Ltd.

[Branch]
TOYO YAMAHA ROBOTICS Co., Ltd.

Vietnam

[Branch]
TOYOROBOTICS VIETNAM CO., LTD

Thailand

[Branch]
TOYO ROBOT (THAILAND) CO., LTD.

Korea

[Branch]
TOYOROBOTICS KOREA CO., LTD.

		Taiwan	China	Japan	South East Asia	Korea	Europe	N. America
Production Fab	Company-Owned Plant	● ●	●	●		●		Coming soon
	Authorized Manufacturing Partner			●	● Thailand		● Sweden	
Overseas Branches			● Shuzhou ● Shenzhen	●	● Vietnam ● Thailand	● India		● USA
Agency		●	●	●	●	●	●	●

TOYO Global Network

Operation Progress

Officially listed on the Emerging Stock Board (Stock Code: 7942)

Japan(TY) subsidiary was established

CW/CAB series products won the 2024 Taiwan Excellence Award

Vietnam subsidiary was established

SRT/LBT/LXY series products won the 2024 Taiwan Excellence Award

Established multiple overseas sales companies:

North American Company (California, USA)/ Indian Company (Pune)/Japanese Company (Tokyo)

Established Korean factory (Gyeonggi-do)

Cooperated with CKD to establish electric cylinder production line in Thailand factory

CPSG/LM4 series products won the 2023 Taiwan Quality Award

TOYO's Korean subsidiary was established

This Linear motor module LGW series won the Taiwan excellence award.

Construction of Factory 2 at the Xingji Factory Complex has begun.

Gripper CHY series won Taiwan excellence Product Award

Linear motor robot module LGF series won Taiwan excellence Product Award

Thailand warehouse established

In response to the epidemic first to hold global Online exhibition

The first to launch YouTube Online seminar

Xinji factory completed

Establish TOYO Robot (Thailand)

Establish TOYO Robot (Japan)

Become strategic partner with YAMAHA

Obtain Taiwan Excellence Award

Received the 19th "Raising Start Award" award for outstanding export vendor

Acquired 5000 ping of land inside Hsin Chi Industry Park

Acquired patent for new M534739 AGV

Passed ISO14001 certification

Fukuoka Fab in Japan established

Suzhou Fab in China established

Overseas sales network increased to 10 distributors

Started OEM production for CKD Japan

Acquired patent for new model M429543

Acquired patent for new actuator model M440838

Entered Apple's supply chain officially

Acquired OHSAS 18001: 2007 certification

New fab in Yongkang Technology Park completed and activated

Became official cooperating technical partners with Matsumoto Shouten Co., Ltd of Japan.

Raw Material Barcode Management System implemented

Passed ISO9001 certification

Second branch in China established – Wuxi Toyo Automation Co., Ltd.

Quality Assurance Center established.

Acquired 3D inspection equipment

Acquired Republic of China Patent number M398055

IE ERP Enterprise Resource Planning system implemented

Approved by the Ministry of Economic Affairs for "Tax Exemption Reward for Crucial Technology Firms"

Honored with the 9th Business Startup Award "Silver Medal" from the Ministry of Economic Affairs

First branch in China established – Shenzhen Toyo Automation Co., Ltd.

Processing Department established

First participation of Taipei exhibition

Marketing Department established for improvement of product promotion

TOYO company established

ECON company established

Product Progress

Integrated motor drive system CPGLTH/CPGLTB

The first in Taiwan: the new Low profile built-in guideway actuator GLTH / GLTB

The only original product in Taiwan: Nano air bearing Throttle components are directly embedded in high-precision components

Development and mass production of hollow motors, screws, and multi-axis controllers TSC400.

The product has successfully entered the national epidemic prevention equipment-nucleic acid testing machine.

Developed and mass-production of the CSL8 series spline modules

Leading in the industry to launch a desktop robot full ballscrew drive

Single-axis controller with built-in EtherCAT module

Leading in the industry to launch a dust-free series of electric grippers

Developed and mass-production of the CHY series of large-stroke built-in controller electric grippers

The globally unique built-in type linear motor module officially mass-produced

DM series officially mass-produced

XC100-controller of DC Servo Motor officially mass-produced

Cart Series of AGVS officially released.

Drive Unit Series of AGVS officially released.

Development of TC100- controller of servo motor completed

The only G series track embedded actuator developed and mass produced in Taiwan

Servo cylinder officially released

Development of Servo stepping motor controller TC100 completed

Accumulated production output for AGV exceeded 200 units

Develop of 4 axis horizontal multi-joint robot completed

Accumulated production output for single axis robot exceeded 60,000 units

Accumulated production output for Cartesian robot exceeded 5,000 units

High speed linear motor actuator officially on sale

Development of first AGV system completed

Accumulated production output for positioning platform XYY exceeded 150 units

Accumulated production output for Cartesian robot exceeded 1,000 units

Accumulated production output for single axis robot exceeded 20,000 units

Development of high speed linear motor actuator completed

Accumulated production output for single axis robot exceeded 5,000 units

Development of single axis robot exceeds 30 specifications

Production of positioning platform XYY series officially started

Development of Cartesian multi-axis robot completed

Production of single axis robot officially started

Development of single axis industrial use robot completed

Distribute logistics and gripper-related automation components

Distribute relative robots



Facebook



instagram



Linkdin



YouTube

Precision Motion for Advanced Manufacturing

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TEX2608-24P 2026.08

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